

Wed May 9 10:10:02 2001

us-09-673-779-1.rge

DB 293 GCGTGCAGTTTGGAAATG 276

RESULT 10
STY326E/c 326 bp DNA BCT 01-FEB-1999
DEFINITION
S. typhi DNA.
ACCESSION
D12813.1 GI:303923
VERSION
D12813.1 GI:303923
KEYWORDS
Salmonella typhi DNA.
Salmonella typhi
SOURCE
Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
Salmonella.

REFERENCE
1 (sites)
Iida, K., Abe, A., Matsui, H., Tanbara, H., Wakayama, S. and Kawahara, K.
Rapid and sensitive method for detection of salmonella strains
using a combination of polymerase chain reaction and reverse
dot-blot hybridization.
FEMS Microbiol. Letters 114, 167-172 (1993)
2 (bases 1 to 326)
Iida, K.
Unpublished (1994)
Submitted (04-Aug-1992) to DDBJ by:
Kazuo Iida
Research and Development
Kibun Foods Inc.
Ginza 7-14-13
Chuo-ku Tokyo 104
Japan
Phone: 03-3544-2754
Fax: 03-3545-0860.

FEATURES
source
1..326
/organism="Salmonella typhi"
/db_xref="taxon:601"

BASE COUNT
81 a 71 c 108 g 66 t

Query Match 100.0%; Score 18; Tm 44 Length 326;
Best Local Similarity 100.0%; Pred. No. 36;
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QY 1 gctgcagtttggaaatg 18
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DB 293 GCGTGCAGTTTGGAAATG 276

RESULT 11
STY326E/c 326 bp DNA BCT 01-FEB-1999
DEFINITION
S. typhimurium DNA.
ACCESSION
D12814
VERSION
D12814.1 GI:303924
KEYWORDS
Salmonella typhimurium (strain:12); DNA.
Salmonella typhimurium
SOURCE
Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
Salmonella.

REFERENCE
1 (sites)
Iida, K., Abe, A., Matsui, H., Tanbara, H., Wakayama, S. and Kawahara, K.
Rapid and sensitive method for detection of salmonella strains
using a combination of polymerase chain reaction and reverse
dot-blot hybridization
FEMS Microbiol. Letters 114, 167-172 (1993)
2 (bases 1 to 326)
Iida, K.
Unpublished (1994)
Submitted (04-Aug-1992) to DDBJ by:
Kazuo Iida
Research and Development
Kibun Foods Inc.

JOURNAL
REFERENCE
AUTHORS
JOURNAL
COMMENT

Ginza 7-14-13
Chuo-ku Tokyo 104
Japan
Phone: 03-3544-2754
Fax: 03-3545-0860.
FEATURES
source
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Query Match 100.0%; Score 18; Tm 44 Length 326;
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Matches 18; Conservative 0; Mismatches 0; Indels 0;
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DB 293 GCGTGCAGTTTGGAAATG 276

RESULT 12
BSPX91531/c 347 bp DNA BCT 01-SEP-1995
LOCUS
DEFINITION
Bacterial sp. partial 16S rRNA gene (ribosomal RNA)
ACCESSION
X91531
VERSION
X91531.1 GI:987806
KEYWORDS
16S ribosomal RNA; 16S rRNA gene
SOURCE
unidentified bacterium.
unidentified bacterium
Bacteria; environmental
ORGANISM
1 (bases 1 to 347)
Pedersen, K.
Unpublished
2 (bases 1 to 347)
Pedersen, K.
Direct submission
Submitted (13-SEP-1995) to EMBL by:
and Marine Microbiology, Medical Laboratory 9, E. 413 901
SWELEN

REFERENCE
AUTHORS
JOURNAL
JOURNAL
REFERENCE
TITLE
JOURNAL
AUTHORS
Unpublished
2 (bases 1 to 347)
Pedersen, K.
Direct submission
Submitted (13-SEP-1995) to EMBL by:
and Marine Microbiology, Medical Laboratory 9, E. 413 901
SWELEN

FEATURES
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/note="Isolated from bacterium/sand before the
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/gene="16S rRNA"
/product="16S ribosomal RNA"
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/gene="16S rRNA"

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Best Local Similarity 100.0%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 0; Indels 0;
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DB 116 GCGTGCAGTTTGGAAATG 99

RESULT 13
AF181899/c 408 bp DNA BCT 07-DEC-1997
LOCUS
DEFINITION
Uncultured bacterium clone Jd/1 16S ribosomal RNA gene
sequence.

Wed May 9 10:10:21 2001

us-09-673-779-3.rge

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12 100.0 1144 1 AF076037 Escherich
13 100.0 1149 1 AF076038 Serratia
14 100.0 1185 1 X80728 E.coli r11e
15 100.0 1417 2 X80730 E.coli r10H
16 100.0 1418 2 X80727 E.coli r10D
17 100.0 1418 2 X80729 E.coli r10C
18 100.0 1436 2 X80734 F.vulnificus
19 100.0 1443 2 X80733 E.coli r10C
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21 100.0 1447 2 X80732 E.coli r10A
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23 100.0 1447 2 X80721 E.coli r10A
24 100.0 1449 2 X80725 E.coli r10C
25 100.0 1450 2 X80722 E.coli r10B
26 100.0 1452 2 X80724 F.coli r10B
27 100.0 1452 2 X80726 S.sonnei ge
28 100.0 1457 3 X80679 S.flexneri
29 100.0 1471 4 X80680 S.dysenteriae
30 100.0 1487 4 X80666 S.dysenteriae
31 100.0 1488 4 X80665 S.flexneri
32 100.0 1488 4 X80663 S.flexneri
33 100.0 1488 4 X80664 S.sonnei 16
34 100.0 1488 4 AF233451 Escherich
35 100.0 1506 2 AF234451 Escherich
36 100.0 1525 2 E.coli r10C
37 100.0 1525 2 E.coli r10C
38 100.0 1526 2 E.coli r10C
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ALIGNMENTS

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RESULT 1
AX022152 25 bp GNA PAT 07-SEP-2000
DEFINITION Sequence 3 from Patent EP0957175.
ACCESSION AX022152
VERSION AX022152.1 GI:10945228
KEYWORDS
SOURCE unclassified,
ORGANISM unclassified
REFERENCE 1 (bases 1 to 25)
AUTHORS
TITLE Method for the rapid determination of bacteria
JOURNAL Patent: EP 0957175-A 3 17-NOV-1999
ORIGINATOR GENOSCREEN (NL); GENIV GENOSCREEN (NL)
FEATURES
Source Location/Qualifiers
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/organism="unclassified"
/db_xref="taxon:32644"
BASE COUNT 8 a 6 c 4 g 7 t
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Matches 25 Conservative 0 Mismatches 0 Indels 0 Gaps 0
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Q1 1 gacgaagatattacttaccgc 25
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Db 1 GACGAAGATATTACTTACCOC 25
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RESULT 2

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LOCUS 105065 41 bp PAT
DEFINITION Sequence 11 from Patent EP 024144-A2
ACCESSION 105065
VERSION 105065.1 GI:591275
KEYWORDS
SOURCE unknown
ORGANISM unknown
REFERENCE 1 (bases 1 to 41)
AUTHORS Olin, P.O.
TITLE Enhanced protein production in bacteria by amplification
of ribosome binding site
JOURNAL Patent: EP 024144-A2 11 11-NOV-1999
FEATURES
Source Location/Qualifiers
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/organism="unknown"
BASE COUNT 12 a 11 c 5 t 1
ORIGIN
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Best Local Similarity 100.0% Pred. No. 2.42
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Db 11 GACGAAGATATTACTTACCOC 41
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RESULT 3
AL5547 57 bp PAT
LOCUS AL5547
DEFINITION Hybridization probe number 4 for the detection of E.coli
ACCESSION AL5547
VERSION AL5547.1 GI:640868
KEYWORDS
SOURCE synthetic construct,
ORGANISM synthetic construct,
REFERENCE 1 (bases 1 to 57)
AUTHORS Rossau, R. and Van Heuvel, J. B.
TITLE Hybridization probes for detection of E.coli
JOURNAL Patent: EP 0337896-A 74 14-NOV-1999
ORIGINATOR N.V. INNOGENETICS S.A.
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Source Location/Qualifiers
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/organism="synthetic construct"
/db_xref="taxon:562"
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Best Local Similarity 100.0% Pred. No. 2.42
Matches 25 Conservative 0 Mismatches 0 Indels
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Db 45 GACGAAGATATTACTTACCOC 25
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RESULT 4
190026/c 61 bp GNA PAT
LOCUS 190026
DEFINITION Sequence 7 from Patent US 5723444
ACCESSION 190026
VERSION 190026.1 GI:3409966
KEYWORDS
SOURCE unknown
ORGANISM unknown
REFERENCE 1 (bases 1 to 61)
AUTHORS Mahlat, C., Cros, P., Mandrand, B., Charles, M., Etou, M.
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ALIGNMENTS

RESULT 1
 LOCUS AB042007 19 bp DNA
 DEFINITION Sequence 7 from Patent W/9705282
 VERSION AB042007.1 GI:3714647
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 19)
 AUTHORS Wilkerson, M.H., Friedman, E., and Ellrich, P.
 TITLE METHODS AND MATERIALS FOR DETERMINING RELATIVE ABUNDANCE OF MICROORGANISMS IN MIXED POPULATIONS
 JOURNAL JOURNAL OF CLIMATE CONTROL
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RESULT 2
 LOCUS AX022153 19 bp DNA
 DEFINITION Sequence 4 from Patent EP0957175
 VERSION AX022153
 KEYWORDS
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 19)
 AUTHORS Method for the rapid determination of bacteria
 TITLE Patent: EP 0957175-A 4 17 NOV 1999
 JOURNAL GROMINGEN ACAD ZIEKENHUIS (NL) GROMINGEN (NL)
 FEATURES Location/Qualifiers
 SOURCE 1..19
 /organism="unidentified"
 /db_xref="taxon:32644"

Query Match 100.0% Score 19 Length 19
 Best Local Similarity 100.0% Pctd. No. 81
 Matches 19: Conservative 0: Mismatches 0: Indels 0:

QY 1 gtagcgccttccttcg 19
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RESULT 3
 LOCUS AB042007 162 bp DNA
 DEFINITION Uncultured bacterium OLI_146
 ACCESSION AB042007
 VERSION AB042007.1 GI:7678780
 KEYWORDS
 SOURCE uncultured bacterium OLI_146
 ORGANISM uncultured bacterium OLI_146
 REFERENCE 1 (sites)
 AUTHORS Pedro, K.S., Haruta, S., and Pedro, K.S.
 TITLE Denaturing Gradient Gel Electrophoresis Analysis of Bacteria: environmental samples
 JOURNAL JOURNAL OF CLIMATE CONTROL
 TITLE 2 (bases 1 to 162)
 AUTHORS Haruta, S. and Pedro, K.S.
 JOURNAL Direct Submission
 Submitted (20-APP-2000) to the National Center for
 Haruta, Univ. of Tokyo, Graduate School of Agricultural
 Sciences, Dept. of Biotechnology, Yayoi, Tokyo, Japan
 113-8657, Japan (E-mail: haruta@agr.tyohu.ac.jp)
 Tel: 81-3-5841-5145, Fax: 81-3-5841-5172

FEATURES Location/Qualifiers
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DE	Ras oncogene/LacZ reporter gene recombinant construct.
XX	
KM	Recombinant construct; rat; synapsin/ promoter sequence; human

DE	Ras oncogene/LacZ reporter gene recombinant construct.
XX	
KM	Recombinant construct; rat; <i>synapsin</i> ; promoter sequence; human
KM	oncogene; ribosome binding site; reporter gene; beta-galactosidase
KM	neuronal cell; transgenic animal; neuro; neuronal injury; dr
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OS	Synthetic.
XX	
FH	Key
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FT	1..1601
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FT	1602..3288
FT	/tag- b
FT	/product- Ras oncogene product
FT	3335..3920
FT	/tag- c
FT	/note- "internal ribosome entry site"

	Ras oncogene/LacZ reporter gene recombinant construct.
DE	
KX	Recombinant construct; rat; synapsin promoter sequence; human
KY	oncogene; ribosome binding site; reporter gene; beta-galactosidase
KM	neuronal cell; transgenic animal; neuro; neuronal injury; da.
XX	
OS	Synthetic.
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FT	/note- "internal ribosome entry site"
FT	3921...6989
FT	/tag- ^d
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DE	Ras oncogene/LacZ reporter gene <i>procarcinant construct</i> .
XX	
XX	Recombinant construct; rat; <i>synapsin</i> ; promoter sequence; human
XX	oncogene; ribosome binding site; reporter gene; beta-galactosida
KM	neuronal cell; transgenic animal; neuro; neuronal injury; da.
OS	
XX	
XX	Synthetic.
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FH	
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XX	30-JUL-1993; 93DE-4325699.
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XX	30-JUL-1993; 93DE-4325699.
XX	
XX	(BERN/) BERNIS H.
XX	
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XX	Bernis H, Heumann R;

DE	Ras oncogene/LacZ reporter gene recombinant construct.
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XX	Recombinant construct; rat; synapsin; promoter sequence; human
KM	oncogene; ribosome binding site; reporter gene; beta-galactosida
KM	neuronal cell; transgenic animal; neuron; neuronal injury; ds.
XX	
OS	Synthetic.
XX	
FH	Key
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FT	1..1601
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FT	1602..3288
FT	/tag- b
FT	/product- Ras oncogene product
FT	3335..3920
FT	/tag- c
FT	/note- "internal ribosome entry site"
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XX	
PN	DE4325699-A.
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PD	02-FEB-1995.
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PF	30-JUL-1993; 93DE-4325699.
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PR	30-JUL-1993; 93DE-4325699.
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XX	(BERN/) BERNIS H.
XX	
FI	Bernis H, Heumann R;
XX	
DR	WPI; 1995-068046/10.
XX	
PT	Recombinant DNA providing neuron specific expression of oncogene
PT	and neuronal cells conty. them, used to identify cpds. with
PT	neuron specific activity.
XX	
XX	Disclosure: Fig 3; 15pp; German.
XX	

DE	Ras oncogene/LacZ reporter gene recombinant construct.
XX	
XX	Recombinant construct; rat; synapsin; promoter sequence; human
KM	oncogene; ribosome binding site; reporter gene; beta-galactosida
KM	neuronal cell; transgenic animal; neuron; neuronal injury; ds.
XX	
OS	Synthetic.
XX	
FH	Key
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FT	Location/Qualifiers
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FT	/note- "synapsin promoter"
FT	1602..3288
FT	/tag- b
CDS	/product- Ras oncogene product
RBS	3335..3920
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PN	DE4325699-A.
XX	
XX	02-FEB-1995.
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XX	30-JUL-1993; 93DE-4325699.
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XX	
PA	(BERN/) BERNIS H.
PI	Bernis H, Heumann R;
DR	WPI; 1995-068046/10.
PT	Recombinant DNA providing neuron specific expression of oncogene
PT	and neuronal cells contg. them, used to identify cpds. with
PT	neuron specific activity.
XX	
PS	Disclosure; Fig 3; 15pp; German.
XX	
XX	
XX	The nucleotide sequence of a novel recombinant construct compris
CC	rat synapsin gene promoter sequence linked to the genomic sequenc
CC	human v-Ha-ras oncogene. These sequences are placed 5' to a frag
CC	containing an internal ribosome binding site and the structural s
CC	for a reporter gene e.g. beta-galactosidase. The construct is an
CC	of a vector that can be activated and transcribed specifically in
CC	neuronal cells. The reporter gene is placed as a marker to determi
CC	extent and localisation of the oncogene expression in the neurona
CC	The compounds and transformed neuronal cells (including transgen

DE	Ras oncogene/LacZ reporter gene recombinant construct.
XX	
XX	Recombinant construct; rat; synapsin promoter sequence; human
KM	oncogene; ribosome binding site; reporter gene; beta-galactosidase
KM	neuronal cell; transgenic animal; neuron; neuronal injury; dm.
XX	
OS	Synthetic.
XX	
XX	
EH	Key
EH	Location/Qualifiers
EH	promoter
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EH	/tag- a
EH	/note- "synapsin promoter"
EH	1602..3288
EH	/tag- b
EH	/product- Ras oncogene product
EH	3335..3920
EH	/tag- c
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EH	/tag- d
EH	/product- beta-galactosidase
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XX	DE4325699-A.
PN	
XX	02-FEB-1995.
PD	
XX	30-JUL-1993; 93DE-4325699.
PE	
XX	30-JUL-1993; 93DE-4325699.
PR	
XX	(BERN/) BERNIS H.
PA	
PI	Bernis H, Heumann R;
XX	
DR	WPI; 1995-068046/10.
XX	
PT	Recombinant DNA providing neuron specific expression of oncogene
PT	- and neuronal cells contg. them, used to identify cpds. with
PT	neuron specific activity.
XX	
PS	Disclosure: Fig 3; 15pp; German.
XX	
CC	The nucleotide sequence of a novel recombinant construct compris-
CC	ing rat synapsin gene promoter sequence linked to the genomic sequenc-
CC	human v-Ha-ras oncogene. These sequences are placed 5' to a fragm-
CC	containing an internal ribosome binding site and the structural s-
CC	for a reporter gene e.g. beta-galactosidase. The construct is an
CC	of a vector that can be activated and transcribed specifically in
CC	neuronal cells. The reporter gene is placed as a marker to determi-
CC	extent and localization of the oncogene expression in the neurona-
CC	The compounds and transformed neuronal cells (including transgeni-
CC	animals) can be used to test compounds for neuron specific activi-
CC	compounds which cause neuronal injury.
XX	

Ras oncogene/LacZ reporter gene recombinant construct.

Recombinant construct; rat; synapsin promoter sequence; human
oncogene; ribosome binding site; reporter gene; beta-galactosidase
neural cell; transgenic animal; neuron; neuronal injury; dm.

Synthetic.

Key Location/Qualifiers

Promoter 1..160n /tag- a

CDS 1602..3288 /note= "synapsin promoter"

RBS /tag- b /product= Ras oncogene product 3335..3920 /tag- c /note= "internal ribosome entry site"

CDS 3921..6989 /tag- d /product= beta-galactosidase

DE4325699-A.
02-FEB-1995.
30-JUL-1993; 93DE-4325699.
30-JUL-1993; 93DE-4325699.
(BERN/) BERNIS H.
Bernis H, Heumann R;
WPI; 1995-068046/10.

Recombinant DNA providing neuron specific expression of oncogene - and neuronal cells contg. them, used to identify cpds. with neuron specific activity.

Disclosure; Fig 3; 15ppt. German.

The nucleotide sequence of a novel recombinant construct comprising rat synapsin gene promoter sequence linked to the genomic sequence human v-Ha-ras oncogene. These sequences are placed 5' to a fragment containing an internal ribosome binding site and the structural site for a reporter gene e.g. beta-galactosidase. The construct is an of a vector that can be activated and transcribed specifically in neuronal cells. The reporter gene is placed as a marker to determine extent and localisation of the oncogene expression in the neurons. The compounds and transformed neuronal cells (including transgenic animals) can be used to test compounds for neuron specific active compounds which cause neuronal injury.

Sequence 6995 BP; 1489 A; 1994 G; 2022 G; 1490 T; 0 other;

Query Match 83.3%; Score 15; DB 16; Length 6995;
Best Local Similarity 100.0%; Pried. No. 73;

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Query Match      83.3%   Score 15; DB 16; Length 6995;
Best Local Similarity 100.0%; Pred. No. 73;
Matches 15; Conservative 0; Mismatches 0; Indels 0;

QY      4 tccccctcgaatgg 18
          |||
Db       1197 TCCCTCCTCATGGG 1183

RESULT 6
X83570/c
ID      X83570 standard; DNA; 1528 BP.
XX
AC      X83570;
XX
LT      ZI-DEC-1999 (first entry)

```


LOCUS	AF145258	1349 bp	DNA	BOT	13-SEP-97
DEFINITION	Enterococcus faecium	16S rDNA gene, partial			
ACCESSION	AF145258				
VERSION	AF145258.1	GI:4929342			
KEYWORDS					
SOURCE ORGANISM	Enterococcus faecium.				
	Enterococcus faecium.				
	Bacteria, Firmicutes, Bacillales/Clostridium group bacteria.				
	Enterococcus.				
REFERENCE AUTHORS	1 (bases 1 to 1349)				
	Pracont,M., Bollet,C., Girard,A., Marillon,J., Jay,				
TITLE	Raoult,D.				
JOURNAL	16S Ribosomal DNA Sequence Analysis of a Large Clinical				
PUBMED	Environmental and Clinical Multiresistant Bacterial Isolates				
REFERENCE	1 (1316 Microbiol J 38 (1997) 1155-1160 (2000))				
AUTHORS	2 (bases 1 to 1340)				
TITLE	Raoult,D.				
JOURNAL	Direct Submission				
	Submitted (23-FEB-1999) Centre des Rickettsies, Faculté				
	27 bis Jean Moulin, Marseille 13005, France				
FEATURES					
Source	Location/Gene/features				
	1..1340				
	/organism="Enterococcus faecium"				
	/strain="71380"				
rRNA	/db_xref="taxon:1352"				
	<1>.c1340				
	/product="16S ribosomal RNA"				
BASE COUNT	340 a 307 c 403 g 244 t				
ORIGIN					
Coverage Match:	100.0%	Seq. Rev. 298	18-11-1997	Length: 1340	
Best Local Similarity:	100.0%	Pro. L. No. 165			

Qy 1

RESULT
ES16SRK/c

VERSION
KEYWORDS
SOURCE
ORGANISM

REFERENCE
AUTHORS
TITLE
JOURNAL

REFERENCE
AUTHORS

Source

tRNA

Wed May 9 10:10:35 2001

us-09-673-779-7.rge

100 3

Query Match 100.0% Score 19 DB 2 Length 1440;
Best Local Similarity 100.0% Pred. No. 18;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 gccactctcttttcgq 19
|||||
Db 32 gccactctcttttcgq 14

RESULT 4
LOCUS EH18354 1445 bp DNA
DEFINITION Enterococcus hirae 16S rRNA gene.
ACCESSION Y18354
VERSION Y18354.1 GI:5578761
KEYWORDS 16S ribosomal RNA; 16S rRNA gene.
SOURCE Enterococcus hirae.
ORGANISM Bacteria; Firmicutes; Bacillus/Clostridium group; Enterococaceae; Enterococcus.

REFERENCE 1 (bases 1 to 1445)
AUTHORS Lawson, P.A., Garbisa, S.E., Shah, H.N., Clark, D.R. and Collins, M.D.
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1445)
AUTHORS Lawson, P.A.
TITLE Direct Submission
SUBMITTED (04-NOV-1998) P.A. Lawson, BBSRC Institute of Food Research, Reading Laboratory, Microbiology Dept., Earley Gate Whiteknights Road, Reading RG6 2AF UK
REMARK Location/Qualifiers
FEATURES
source 1..1445
/organism="Enterococcus hirae"
/strain="NCFB 1258T"
/db_xref="taxon:1354"
rRNA 1..1445
/gene="16S rRNA"
/product="16S ribosomal RNA"
1..1445
/gene="16S rRNA"
BASE COUNT 468 a 338 c 434 g 305 t
ORIGIN

Query Match 100.0% Score 19 DB 2 Length 1445;
Best Local Similarity 100.0% Pred. No. 18;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 gccactctcttttcgq 19
|||||
Db 81 gccactctcttttcgq 63

RESULT 5
LOCUS EH18294 1459 bp DNA
DEFINITION Enterococcus faecium 16S rRNA gene.
ACCESSION Y18294
VERSION Y18294.1 GI:5578754
KEYWORDS 16S ribosomal RNA; 16S rRNA gene.
SOURCE Enterococcus faecium.
ORGANISM Bacteria; Firmicutes; Bacillus/Clostridium group; Enterococaceae; Enterococcus.

REFERENCE 1 (bases 1 to 1459)
AUTHORS Lawson, P.A., Garbisa, S.E., Shah, H.N., Clark, D.R. and Collins, M.D.
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1459)
AUTHORS Lawson, P.A.
TITLE Direct Submission
SUBMITTED (21-OCT-1998) P.A. Lawson, BBSRC Institute of Food Research, Reading Laboratory, Microbiology Dept., Earley Gate

REMARK Revised by author
FEATURES
source 1..1459
/organism="Enterococcus faecium"
/strain="NCFB 942T"
/db_xref="taxon:1452"
1..1459
/gene="16S rRNA"
/product="16S ribosomal RNA"
1..1459
/gene="16S rRNA"

BASE COUNT 372 a 344 c 439 g 305 t
ORIGIN

Query Match 100.0% Score 19 DB 2 Length 1440;
Best Local Similarity 100.0% Pred. No. 18;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 gccactctcttttcgq 19
|||||
Db 86 gccactctcttttcgq 68

RESULT 6
LOCUS AF039901/c 1477 bp DNA
DEFINITION Enterococcus faecium 16S ribosomal RNA gene, partial
ACCESSION AF039901
VERSION AF039901.1 GI:2828124
KEYWORDS Enterococcus faecium.
SOURCE Bacteria; Firmicutes; Bacillus/Clostridium group; Enterococcus.

REFERENCE 1 (bases 1 to 1477)
AUTHORS Patel, R., Piper, K.E., Kause, M.S., Steckelberg, M., Kohner, P., Hopkins, M.K., Cookerill, P.R. III and KJ; Determination of 16S rRNA sequences of enterococci to species identification of nonmole Enterococcus isolates
JOURNAL J. Clin. Microbiol. 36 (11): 1991-1997 (1998)

MEDLINE 98449879
REFERENCE 2 (bases 1 to 1477)
AUTHORS Patel, R., Piper, K.E., Kause, M.S., Steckelberg, M., Kohner, P., Hopkins, M.K., Cookerill, P.R. and KJ; Direct Submission
TITLE Submitted (29-DEC-1997) Enterococcus Disinfectant and the Mayo Clinic, 200 First Street Southwest, Rochester

FEATURES
source 1..1477
/organism="Enterococcus faecium"
/db_xref="taxon:1452"
/note="from 14 clinical isolates"
1..1477
/gene="16S rRNA"
/product="16S ribosomal RNA"
1..1477
/gene="16S rRNA"

Query Match 100.0% Score 19 DB 2 Length 1440;
Best Local Similarity 100.0% Pred. No. 18;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 gccactctcttttcgq 19
|||||
Db 66 gccactctcttttcgq 48

RESULT 7
LOCUS AF061011/c 1507 bp DNA
DEFINITION Enterococcus faecium 16S rRNA gene, partial

4 May 9 10:10:39 2001

us-09-673-779-8.19e

gene 1.481
/gene="16S rRNA"
BASE COUNT 137 a 105 c 137 g 102 t
ORIGIN

Query Match 100.0% Score 19; DB 3; Length 481;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1 gctaatgcagcgagatcc 19
|||||
DB 214 gctaatgcagcgagatcc 199

RESULT 4
SH16SRND 771 bp DNA BCT 13-OCT-1993
LOCUS S.haemolyticus gene for 16S ribosomal RNA.
DEFINITION Z26896
ACCESSION Z26896.1 GI:407889
VERSION 16S ribosomal RNA; ribosomal RNA.
KEYWORDS Staphylococcus haemolyticus.
SOURCE Staphylococcus haemolyticus.
ORGANISM Bacteria; Firmicutes; Bacillus/Clostridium group; Bacillaceae;
Staphylococcus.
REFERENCE 1 (bases 1 to 771)
AUTHORS Maclean, I.A. and Carter, P.E.
TITLE Phylogenetic analysis using 16S rRNA sequencing of Staphylococci
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 771)
AUTHORS Maclean, I.A.
TITLE Direct Submission
JOURNAL Submitted (11-OCT-1993) I. Maclean, University of Aberdeen,
Department of Medical Microbiology; Aberdeen, Scotland, UK
LOCATION/Qualifiers
FEATURES
source
1. 771
/organism="Staphylococcus haemolyticus"
/strain="TSM 20263"
/db_xref="taxon:1283"
1. 771
/product="16S ribosomal RNA"
BASE COUNT 214 a 105 c 230 g 162 t
ORIGIN

Query Match 100.0% Score 19; DB 3; Length 771;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1 gctaatgcagcgagatcc 19
|||||
DB 233 gctaatgcagcgagatcc 215

RESULT 5
AF076030/c 1141 bp DNA BCT 09-SEP-1998
LOCUS Staphylococcus aureus 16S ribosomal RNA gene, partial sequence.
DEFINITION AF076030
ACCESSION AF076030.1 GI:551854
VERSION
KEYWORDS Staphylococcus aureus.
SOURCE Staphylococcus aureus.
ORGANISM Bacteria; Firmicutes; Bacillus/Clostridium group;
Bacillus/Staphylococcus group; Staphylococcus.
REFERENCE 1 (bases 1 to 1141)
AUTHORS Okhuavi, N., Adamson, P., Matheson, M.M., Towler, H.M.A. and
Lichtman, S.
TITLE PCR-RFLP mediated diagnosis of bacteria in intraocular fluids from
patients with presumed bacterial endophthalmitis
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1141)

AUTHORS Okhuavi, N., Adamson, P., Matheson, M.M., Towler, H.M.A. and
Lichtman, S.
TITLE Direct Submission
JOURNAL Submitted (01-MAR-1998) Department of Clinical Genetics,
Institute of Ophthalmology, 11-43 Bath Street, London
LOCATION/Qualifiers
FEATURES
source
1. 1141
/organism="Staphylococcus aureus"
/db_xref="taxon:1283"
/note="ocular isolate from a patient with
endophthalmitis"
1. 1141
/product="16S ribosomal RNA"
BASE COUNT 307 a 247 c 338 g 249 t
ORIGIN

Query Match 100.0% Score 19; DB 1; Length 1141;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 0; Indels 0

QY 1 gctaatgcagcgagatcc 19
|||||
DB 213 gctaatgcagcgagatcc 195

RESULT 6
AF107307/c 1309 bp DNA BCT 12-
LOCUS Staphylococcus aureus subsp. aureus 16S ribosomal
DEFINITION Partial sequence.
ACCESSION AF107307
VERSION AF107307.1 GI:4406246
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 1309)
AUTHORS Staphylococcus aureus subsp. aureus;
Staphylococcus aureus subsp. aureus;
Bacteria; Firmicutes; Bacillus/Clostridium group;
Bacillus/Staphylococcus group; Staphylococcus.
REFERENCE 1 (bases 1 to 1309)
AUTHORS Moller, K., Agerholm, J.S., Andersen, B., Jensen, N. and
Abscess disease; caseous lymphadenitis and pneumonia
in imported sheep
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1309)
AUTHORS Ahrens, P.
TITLE Direct Submission
JOURNAL Submitted (17-NOV-1998) Moller, K., Jensen, N. and
Abscess disease; caseous lymphadenitis and pneumonia
in imported sheep
LOCATION/Qualifiers
FEATURES
source
1. 1309
/organism="Staphylococcus aureus subsp. aureus"
/strain="4"
/sub-species="aureus subsp. aureus"
/db_xref="taxon:1283"
/note="isolated from sheep"
1. 1309
/product="16S ribosomal RNA"
BASE COUNT 360 a 280 c 475 g 295 t
ORIGIN

Query Match 100.0% Score 19; DB 1; Length 1309;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 19; Conservative 0; Mismatches 0; Indels 0

QY 1 gctaatgcagcgagatcc 19
|||||
DB 144 gctaatgcagcgagatcc 126

RESULT 7
AF146368/c 1350 bp DNA BCT 17-
LOCUS

us-09-673-779-9.rqe

10

IRNA	/product="165 1.105-004, PRA"
BASE COUNT	129 a 111 c 127 d 112 t
ORIGIN	

IRNA	/product="165 1.105-004, PRA"
BASE COUNT	129 a 111 c 127 d 112 t
ORIGIN	

OY 1 ccgaagggaagctcta 18
 |||||
DB 125 ccgaagggaagcctcta 108

RESULT 6
AF041357/C

KEYWORDS	SOURCE	ORGANISM
Staphylococcus xylosus		
Staphylococcus xylosus		
Staphylococcus xylosus		
Bacteria: Firmicutes: Bacillus/Clostridium group		

AUTHORS Gory, L., Millet, L., Gosh, J., & Montellier, G.
TITLE Specific detection of *Staphylococcus* isolated from fluorescent in situ hybridization with 16S rRNA-tail oligonucleotide probes

FEATURES	LOCATION/Qualifiers
TITLE	Direct Submission
JOURNAL	Submitted (07-JAN-1998) Rejected/Not Sent La Vieille Clermont-Theix, Saint-James d'Amboise 63122, France

RNA	/product="16S rRNA"
244 a	206 c
244 d	206 f

Query Match: 100.00; Fred. No. 36;
Best Local Similarity: 100.00;
Matches: 18; Conservative: 0; Mismatches: 11; S

RESULT 7
AF041363/c

DEFINITION	Staphylococcus equorum 105
ACCESSION	AF041363
VERSION	AF041363.1
KEYWORDS	GI:3095096

12	24	100.0	1476	4	STAF15854	63355	Staphylococcus
13	24	100.0	1476	4	STAF15855	63357	Staphylococcus
14	24	100.0	1484	3	SAV15850	115866	Staphylococcus
15	24	100.0	1500	3	STAF15854	115867	Staphylococcus
16	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
17	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
18	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
19	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
20	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
21	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
22	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
23	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
24	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
25	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
26	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
27	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
28	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
29	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
30	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
31	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
32	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
33	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
34	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
35	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
36	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
37	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
38	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
39	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
40	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
41	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
42	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
43	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
44	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus
45	24	100.0	1555	4	SA16SPN	X68417	Staphylococcus

ALIGNMENTS

RESULT 1
AX022159 24 bp 1NA PAT

LOCUS AX022159
DEFINITION Sequence 10 from Patent EP0957175
ACCESSION AX022159
VERSION AX022159.1 GI:10045635

KEYWORDS

ORGANISM
SOURCE
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES

1 (bases 1 to 24)

Method for the rapid determination of bacteria
Patent: EP 0957175-A 10 17-NOV-1999;
GROENINGEN ACADEMIC ZIEKENHUIS (NL); UNIV GROENINGEN (NL)

Location/Qualifiers
1..24
/organism="unidentified"
/db_xref="taxon:32644"

BASE COUNT 6 a 6 c 6 g 6 t
ORIGIN

Query Match 100.0% Score 24; DB 9; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 1 agagaagcaagcttcgcgcgtt 24
|||||
1 AGAGAAGCAAGCTTCGCGCTT 24

RESULT 2
A32047/c

LOCUS A32047 80 bp DNA PAT
DEFINITION DNA probe (S. aureus)
ACCESSION A32047
VERSION A32047.1 GI:149502
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
1 (bases 1 to 80)
/organism="synthetic construct"
/db_xref="taxon:14630"

Query Match 100.0% Score 24; DB 9; Length 80;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 24; Conservative 0; Mismatches 0; Indels 0;

UY 1 agagaagcaagcttcgcgcgtt 24
|||||
71 AGAGAAGCAAGCTTCGCGCTT 48

ALIGNMENTS

RESULT 3
A32065/c 80 bp DNA PAT

LOCUS A32065
DEFINITION DNA probe (S. aureus)
ACCESSION A32065
VERSION A32065.1 GI:1249520

KEYWORDS

ORGANISM
SOURCE
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES

1 (bases 1 to 80)

Barry, T.G., Gannon, B.X. and Powell, R.
Generation of specific probes for target nucleotide se-
quence: EP 0957292-A 40 31-OCT-1999;
IRELAND; Gannon, Bernard Francis Xavier; BLORESEARCH IR
Gerard; Gannon, Bernard Francis Xavier; BLORESEARCH IR
Powell, Richard; UNIVERSITY COLLEGE GALWAY; Barry, The
Gannon, Bernard Francis Xavier; EOLMS (trading as Bio-
Ireland) - The Irish Science and Technology Agency; P
Richard; UNIVERSITY COLLEGE GALWAY

BASE COUNT 20 a 19 c 25 t
ORIGIN

Query Match 100.0% Score 24; DB 9; Length 80;
Best Local Similarity 100.0%; Pred. No. 0.11;
Matches 24; Conservative 0; Mismatches 0; Indels 0;

UY 1 agagaagcaagcttcgcgcgtt 24
|||||
71 AGAGAAGCAAGCTTCGCGCTT 48